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1. By arrangement with the publishers of SCIENCE this journal publishes the official notices and proceedings of the Association and is sent to all members in good standing, the sum of \$2 being paid to the publishers of the journal for each member. Members may by request receive *The Scientific Monthly* in place of SCIENCE. This arrangement may be cancelled by the Council of the Association or by the publishers of the journal, after one year's notice has been given by either party.

X

1. The official year of the Association shall begin on October 1, and the dues of members are payable on that date. Only members who have paid their dues shall enjoy the privileges of the meetings and receive publications of the Association, but those not longer than two years in arrears for dues are retained on the membership list. Members dropped from membership for non-payment of dues may have their names reinstated by payment of arrearages or may be reelected with payment of the entrance fee. In the case of members of affiliated societies elected to membership in the American Association for the Advancement of Science within one year of their election to membership in the affiliated society, the entrance fee shall be remitted.

2. The Secretaries of the Association and of the Sections shall be allowed \$30 in lieu of their traveling expenses to the annual meeting, or, if their expenses are less than that sum, the amount of their expenses.

3. Members of the Executive Committee shall be allowed \$30 in lieu of their traveling expenses in attendance on meetings of the Committee, held apart from the meetings of the Association, or, if their expenses are less than that sum, the amount of their expenses.

XI

These By-Laws and Rules of Procedure may be amended by vote of the Council.

SCIENTIFIC EVENTS

THE SOUTHWESTERN GEOLOGICAL SOCIETY

ON November 8, after several previous meetings, a number of the geologists of Dallas, Fort Worth, Austin, Shreveport, and other cities of the southwest organized an association, to be known as the Southwestern Geological Society. It is not the intention of the founders that the society shall be a

competitor of either the Geological Society of America or the American Association of Petroleum Geologists, but that it shall be a regional organization comparable to the Cordilleran section of the Geological Society of America, the Geological Society of Washington, or other similar local organizations. It is also intended that it shall provide, through bi-monthly sectional meetings in each of the important cities of the southwest, frequent opportunities for the exchange of scientific data and views.

The promotion of fellowship and cooperation are the paramount aims, and publications, for the present, except of brief abstracts, will be a secondary consideration.

The membership will be drawn from those actively engaged in geology in the southwest, both academic and economic, and will include the professors of the state and other universities and members of the geological surveys, as well as those engaged in economic work.

The officers elected at the first meeting are as follows: President, Myron L. Fuller; vice-presidents, Wm. Kennedy and Wallace Pratt; secretary E. W. Shuler; treasures, R. B. Whitehead; council Robert T. Hill, H. P. Bybee, John A. Udden, W. E. Wrather and Chester A. Hamil.

Among the founder members were the following; Ellis W. Shuler, Myron L. Fuller, Robert T. Hill, F. W. Simonds, Wm. Kennedy, R. B. Whitehead, John A. Udden, F. A. Lahee, Wallace Pratt, F. L. Whitney, J. W. Beede, H. P. Bybee, E. B. Hopkins, C. A. Hamil, J. E. Brantly, V. V. Waite.

All geologists of good standing interested in the geology of the southwest are invited to send in their applications for membership to Dr. Ellis W. Shuler, secretary, Southern Methodist University, Dallas, Texas.

THE CHICAGO MEETING OF THE AMERICAN PHYSICAL SOCIETY

THE 100th regular meeting of the American Physical Society will be held in the Ryerson Physical Laboratory of the University of Chicago, on Friday and Saturday, November 28 and 29, 1919. The occasion will be

marked by a symposium of papers of unusual importance on the electron-tube, presented upon invitation of the president of the society. There will also be the usual program of papers contributed by members in general. The Central Association of Science and Mathematics Teachers holds its annual meeting on the same dates, and arrangements are being made for the usual joint session.

The provisional program of special papers which will probably be given on Saturday morning, is as follows:

"Phenomena in pure-tungsten filament electron tubes," Irving Langmuir, The General Electric Company.

"Phenomena in oxide-coated filament tubes," H. B. Arnold, The Western Electric Company.

"The relations of the constants of an electron tube to its physical dimensions," L. A. Hazeltine, Stevens Institute of Technology.

"Theory of action of electron tubes as amplifiers," John M. Miller, Bureau of Standards.

"Theory of action of electron tubes as generators," John H. Morecroft, Columbia University.

"High power transmission sets," W. C. White, The General Electric Company.

"Telephone sets," O. B. Blackwell, American Telephone and Telegraph Company.

Members wishing to present papers at the Chicago meeting are requested to send abstracts ready for publication, to the secretary, before November 15. The secretary expects to send the program to all members before the meeting, but the delays in the mails are so great at present that members should not depend upon the program to determine their attendance.

The next following meeting of the society will be held in St. Louis in the week of December 29-January 3. Members are requested to submit abstracts of papers for this meeting at the earliest possible date, not waiting for further notice.

DAYTON C. MILLER,
Secretary

CASE SCHOOL OF APPLIED SCIENCE,
CLEVELAND, OHIO

THE HISTORY OF SCIENCE AND THE AMERICAN HISTORICAL ASSOCIATION

THE readers of SCIENCE may be interested to learn that at the coming annual meeting

of the American Historical Association a conference will be devoted to the history of science. This is the first time that such a conference has been held, and it is earnestly hoped that many of those who are interested in this promising field may attend the session, whether they are members of the American Historical Association or not. The program, as thus far arranged, comprises papers on the History of Egyptian Medicine by Thomas Wingate Todd, professor of anatomy, Western Reserve University; on the History of Algebra by Louis C. Karpinski, professor of mathematics, University of Michigan; on Peter of Abano, a Medieval Scientist, by Lynn Thorndike, professor of history, Western Reserve University; and on The Problem of the History of Science in the College Curriculum, by Henry Crew, professor of physics, Northwestern University. The conference will take place in the Hollenden Hotel, Cleveland, Ohio, at 10 A.M., Wednesday morning, December 31.

ELBERT J. BENTON

THE SECTION OF ZOOLOGY OF THE AMERICAN ASSOCIATION

THE Convocation Week meetings of Section F (Zoology) of The American Association for the Advancement of Science will be held in conjunction with those of the American Society of Zoologists at Washington University, St. Louis, Mo., on December 29, 30 and 31, 1919. As the officers of the American Society of Zoologists are responsible for the program under the rules of the American Association all titles and abstracts of papers should be sent to Professor W. C. Allee, Lake Forest, Illinois. They should be in his hands before December 9. The address of the retiring vice-president of Section F, Professor William Patten, will be given at the annual dinner on Wednesday evening, December 31. The subject of the address will be "The message of the biologist." H. V. NEAL,

Secretary of Section F

TUFTS COLLEGE, MASS.

THE DEFLECTION OF LIGHT BY GRAVITATION AND THE THEORY OF RELATIVITY

A JOINT meeting of the Royal Society and the Royal Astronomical Society was held on